

# 2015 KDHE Geology & Well Technology Section

**Brine Release Remediation Erik Peterson, Williams** 



#### **Cavern Wellhead**





# **Degassifier**





#### **HDPE Double Lined Brine Pond**





#### **Rail Rack**





# **Sandbag Dam**





#### **Retention Dam**





## **Hydrovac Line Excavation**





## **Manifold Repair / Remediation**





#### **Sleeve Repair 16 Inch Line**





## **Line Repair 16 Inch Line**





# **Typical Excavation**





## **CUE X-23 Emplacement System**





#### **Excavation Backfilled with Topsoil**





#### **Brine Remediation Seeded & Matted**





#### **Ground Cover Restoration**





#### **Brine Remediation Complete**



